Applicant: Lin Zhi et al. Serial No.: 10/566,569 **Supplemental Preliminary Amendment** 

: January 31, 2006 Filed

## AMENDMENTS TO THE CLAIMS:

Please amend claims 13 and 22 as follows. This listing of claims replaces all prior versions and listings of claims in the application.

## LISTING OF CLAIMS:

1. (Original) A compound having the formula:

wherein:

R<sup>1</sup> is hydrogen, F, Cl, or C<sub>1</sub>-C<sub>3</sub> aliphatic;

R<sup>2</sup> is selected from the group of hydrogen, F, Cl, Br, C<sub>1</sub>-C<sub>4</sub> aliphatic, C<sub>1</sub>-C<sub>4</sub> haloaliphatic, and C<sub>1</sub>-C<sub>4</sub> heteroaliphatic;

R<sup>3</sup> and R<sup>4</sup> each independently is selected from the group of hydrogen, C<sub>1</sub>-C<sub>4</sub> aliphatic, C<sub>1</sub>- C<sub>4</sub> haloaliphatic, C<sub>1</sub>-C<sub>4</sub> heteroaliphatic, optionally substituted aryl and heteroaryl;

R<sup>5</sup> and R<sup>6</sup> each independently is selected from the group of hydrogen, F, Cl, OR<sup>10</sup>, C<sub>1</sub>-C<sub>4</sub> aliphatic, C<sub>1</sub>-C<sub>4</sub> haloaliphatic, and C<sub>1</sub>-C<sub>4</sub> heteroaliphatic;

R<sup>7</sup> and R<sup>8</sup> each independently is selected from the group of hydrogen, F, Cl, C<sub>1</sub>-C<sub>4</sub> aliphatic, C<sub>1</sub>-C<sub>4</sub> haloaliphatic, and C<sub>1</sub>-C<sub>4</sub> heteroaliphatic; or

R<sup>7</sup> and R<sup>8</sup> taken together form a carbonyl group;

R<sup>9</sup> is selected from the group of halogen, OR<sup>10</sup>, SR<sup>10</sup>, NR<sup>10</sup>R<sup>11</sup>, C<sub>1</sub>-C<sub>4</sub> haloaliphatic, C<sub>1</sub>-C<sub>4</sub> heteroaliphatic, and C<sub>1</sub>-C<sub>4</sub> heterohaloaliphatic;

R<sup>10</sup> and R<sup>11</sup> each independently is selected from the group of hydrogen, C<sub>1</sub>-C<sub>4</sub> aliphatic, phenyl, and benzyl; and

n = 0 or 1.

2. (Original) A compound according to claim 1, wherein: R<sup>1</sup> is hydrogen, F or Cl;

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R<sup>2</sup> is selected from the group of F, Cl, Br, C<sub>1</sub>-C<sub>4</sub> alkyl, and C<sub>1</sub>-C<sub>4</sub> haloalkyl;

R<sup>3</sup> and R<sup>4</sup> each independently is selected from the group of hydrogen, C<sub>1</sub>-C<sub>4</sub> alkyl, C<sub>1</sub>-C<sub>4</sub> haloalkyl, and optionally substituted aryl;

R<sup>5</sup> and R<sup>6</sup> each independently is selected from the group of hydrogen, F, Cl, OR<sup>10</sup>, C<sub>1</sub>-C<sub>4</sub> alkyl, and C<sub>1</sub>-C<sub>4</sub> haloalkyl;

R<sup>7</sup> and R<sup>8</sup> each independently is selected from the group of hydrogen, F, Cl, C<sub>1</sub>-C<sub>4</sub> alkyl, and C<sub>1</sub>-C<sub>4</sub> haloalkyl;

R<sup>9</sup> is selected from the group of halogen, OR<sup>10</sup>, C<sub>1</sub>-C<sub>4</sub> haloalkyl, C<sub>1</sub>-C<sub>4</sub> heteroalkyl, and  $C_1$ - $C_4$  heterohaloalkyl;

R<sup>10</sup> is hydrogen; and

n = 0 or 1.

(Original) A compound according to claim 1, wherein: 3.

R<sup>1</sup> is hydrogen;

R<sup>2</sup> is selected from the group of Cl, Br, CH<sub>3</sub>, C<sub>2</sub>H<sub>5</sub>, CF<sub>3</sub>, C<sub>2</sub>F<sub>5</sub>, and CF<sub>2</sub>Cl;

R<sup>3</sup> and R<sup>4</sup> each independently is selected from the group of hydrogen, C<sub>1</sub>-C<sub>4</sub> alkyl, C<sub>1</sub>-C<sub>4</sub> haloalkyl, C<sub>1</sub>-C<sub>4</sub> heteroalkyl, and optionally substituted aryl;

R<sup>5</sup> and R<sup>6</sup> each independently is selected from the group of hydrogen, F, Cl, OR<sup>10</sup>, C<sub>1</sub>- $C_4$  alkyl,  $C_1$ - $C_4$  haloalkyl, and  $C_1$ - $C_4$  heteroalkyl;

R<sup>7</sup> and R<sup>8</sup> each independently is selected from the group of hydrogen, F, Cl, C<sub>1</sub>-C<sub>4</sub> alkyl, C<sub>1</sub>-C<sub>4</sub> haloalkyl, and C<sub>1</sub>-C<sub>4</sub> heteroalkyl;

R<sup>9</sup> is selected from the group of halogen, OR<sup>10</sup>, C<sub>1</sub>-C<sub>4</sub> haloalkyl, C<sub>1</sub>-C<sub>4</sub> heteroalkyl, and C<sub>1</sub>-C<sub>4</sub> heterohaloalkyl;

R<sup>10</sup> is hydrogen or C<sub>1</sub>-C<sub>4</sub> alkyl; and

n = 0 or 1.

(Original) A compound according to claim 1, wherein: 4.

R<sup>1</sup> is hydrogen, F, Cl, or C<sub>1</sub>-C<sub>3</sub> alkyl;

R<sup>2</sup> is selected from the group of hydrogen, F, Cl, Br, C<sub>1</sub>-C<sub>4</sub> alkyl, C<sub>1</sub>-C<sub>4</sub> haloalkyl, and C<sub>1</sub>- C<sub>4</sub> heteroalkyl;

R<sup>3</sup> and R<sup>4</sup> each independently is selected from the group of hydrogen, C<sub>1</sub>-C<sub>4</sub> alkyl, C<sub>1</sub>-C<sub>4</sub> haloalkyl, C<sub>1</sub>-C<sub>4</sub> heteroalkyl, optionally substituted aryl and heteroaryl;

R<sup>5</sup> and R<sup>6</sup> each is hydrogen;

 $R^7$  and  $R^8$  each independently is hydrogen,  $C_1$ - $C_4$  alkyl or  $C_1$ - $C_4$  haloalkyl;

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 $R^9$  is  $OR^{10}$ : R<sup>10</sup> is hydrogen or C<sub>1</sub>-C<sub>4</sub> alkyl; and n=0.

5. (Original) A compound according to claim 4, wherein:

R<sup>1</sup> is hydrogen;

R<sup>2</sup> is selected from the group of Cl, CH<sub>3</sub>, C<sub>2</sub>H<sub>5</sub>, CH<sub>2</sub>F, CHF<sub>2</sub>, CF<sub>3</sub>, C<sub>2</sub>F<sub>5</sub>, and CF<sub>2</sub>Cl;

R<sup>3</sup> and R<sup>4</sup> each independently is selected from the group of hydrogen and C<sub>1</sub>-C<sub>4</sub> alkyl;

R<sup>7</sup> and R<sup>8</sup> each independently is selected from the group of hydrogen, CH<sub>3</sub>, C<sub>2</sub>H<sub>5</sub>,

CF<sub>3</sub>, C<sub>2</sub>F<sub>5</sub> and CF<sub>2</sub>Cl; and

R<sup>9</sup> is OH.

6. (Original) A compound according to claim 5, wherein:

R<sup>2</sup> is selected from the group of Cl, CH<sub>2</sub>F, CHF<sub>2</sub>, CF<sub>3</sub>, C<sub>2</sub>F<sub>5</sub> and CF<sub>2</sub>Cl;

R<sup>3</sup> and R<sup>4</sup> each independently is hydrogen or C<sub>1</sub>-C<sub>2</sub> alkyl; and

R<sup>7</sup> and R<sup>8</sup> each independently is selected from the group of hydrogen, CH<sub>3</sub>, CF<sub>3</sub>, C<sub>2</sub>F<sub>5</sub> and CF<sub>2</sub>Cl.

(Original) A compound according to claim 6, wherein: 7.

R<sup>2</sup> is Cl, CH<sub>2</sub>F, CHF<sub>2</sub>, CF<sub>3</sub> or CF<sub>2</sub>Cl;

R<sup>3</sup> and R<sup>4</sup> each is hydrogen or CH<sub>3</sub>; and

R<sup>7</sup> and R<sup>8</sup> each independently is hydrogen, CH<sub>3</sub>, CF<sub>3</sub> or CF<sub>2</sub>Cl.

8. (Original) A compound according to claim 7, wherein:

R<sup>2</sup> is Cl, CH<sub>2</sub>F, CHF<sub>2</sub>, or CF<sub>3</sub>;

R<sup>3</sup> and R<sup>4</sup> each is hydrogen or CH<sub>3</sub>; and

R<sup>7</sup> and R<sup>8</sup> each independently is hydrogen, CH<sub>3</sub> or CF<sub>3</sub>.

- 9. (Original) A compound according to claim 1, wherein the compound is an androgen receptor modulator.
- 10. (Previously presented) A compound according to claim 1, wherein the compound is an androgen receptor antagonist.
- (Previously presented) A compound according claim 1, wherein the 11. compound is an androgen receptor agonist.

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12. (Previously presented) A compound according claim 1, wherein the compound is an androgen receptor partial agonist.

- 13. (Currently amended) A compound according to claim 1, wherein the compound is selected from the group of:
- (R)-6-(2-(2, 2, 2-Trifluoroethyl)-1-pyrrolidinyl)-4-trifluoromethyl-2(1H)-quinolinone (Compound **101**);
- (*R*)-6-(2-Phenylthiomethyl-1-pyrrolidinyl)-4-trifluoromethyl-2 (1*H*)-quinolinone (Compound **102**);
- (*R*)-6-(2-(2, 2, 2-Trifluoroethyl)-1-piperidinyl)-4-trifluoromethyl-2(1*H*)-quinolinone (Compound **103**);
- (*R*)-6-(2-Benzyloxymethyl)-1-piperidinyl)-4-trifluoromethyl-2(1*H*)-quinolinone (Compound **104**);
- (*R*)-6-(2-Diethylaminomethyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1*H*)-quinolinone (Compound **105**);
- 6-(2(R)-Hydroxymethyl-5(S)-methyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1H)-quinolinone (Compound **106**);
- 6-(2(R)-Fluoromethyl-5(R)-methyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1H)-quinolinone (Compound 107);
- 6-(2(R)-Fluoromethyl-5(S)-methyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1H) quinolinone (Compound **108**);
- 6-(2(R)-Diffuoromethyl-5(R)-methyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1<math>H)-quinolinone (Compound **109**);
- 6-(2(R)-Fluoromethyl-5(S)-methyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1H)-quinolinone (Compound 110);
- 6-(2(R)-(1(R)-Hydroxy-2,2,2-trifluoroethyl)-5(S)-methyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1<math>H)-quinolinone (Compound 111);
- 6-(2(R)-(1(S)-Hydroxy-2,2,2-trifluoroethyl)-5(S)-methyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1*H*)-quinolinone (Compound**112**);
- 6-(2(R)-(1(S)-Hydroxy-2,2,2-trifluoroethyl)-5(R)-methyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1*H*)-quinolinone (Compound**113**);
- 6-(2(R)-(1(R)-Hydroxy-2,2,2-trifluoroethyl)-5(R)-methyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1*H*)-quinolinone (Compound**114**);

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6-(2(R)-(2,2,2-Trifluoroethyl)-5(R)-methyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1H)-quinolinone (Compound 115);

6-(2(R)-(1(S)-Hydroxy-2,2,2-trifluoroethyl)-4(R)-hydroxy-1-pyrrolidinyl)-4-trifluoromethyl-2(1H)-quinolinone (Compound 116);

6-(2(R)-(1(R)-Hydroxy-2,2,2-trifluoroethyl)-4(R)-hydroxy-1-pyrrolidinyl)-4-trifluoromethyl-2(1*H*)-quinolinone (Compound 117);

6-(2(R)-(1(S)-Fluoro-2,2,2-trifluoroethyl)-4(S)-fluoro-1-pyrrolidinyl)-4-trifluoromethyl-2(1*H*)-quinolinone (Compound**118**);

6-(2(R)-(1(R)-Fluoro-2,2,2-trifluoroethyl)-4(S)-fluoro-1-pyrrolidinyl)-4-trifluoromethyl-2(1<math>H)-quinolinone (Compound 119);

6-(2(R)-(1(S)-Hydroxy-2,2,2-trifluoroethyl)-4(R)-methyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1H)-quinolinone (Compound 120);

6-(2(R)-(1(R)-Hydroxy-2,2,2-trifluoroethyl)-4(R)-methyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1*H*)-quinolinone (Compound**121**);

6-(2(*R*)-(1(*S*)-Hydroxy-2,2,2-trifluoroethyl)-4(*S*)-methyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1*H*)-quinolinone (Compound **122**);

6-(2(*R*)-(1(*R*)-Hydroxy-2,2,2-trifluoroethyl)-4 (*S*)-methyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1*H*)-quinolinone (Compound **123**);

6-(2(R)-(1(S)-Hydroxy-2,2,2-trifluoroethyl)-4(R)-methoxy-1-pyrrolidinyl)-4-trifluoromethyl-2(1*H*)-quinolinone (Compound**124**);

6-(2(R)-(l(R)-Hydroxy-2,2,2-trifluoroethyl)-4(R)-methoxy-1-pyrrolidinyl)-4-trifluoromethyl-2(1H)-quinolinone (Compound 125);

6-(2(R)-(1(R)-Hydroxy-2,2,2-trifluoroethyl)-4(S)-methoxy-1-pyrrolidinyl)-4-trifluoromethyl-2(1H)-quinolinone (Compound 126);

6-(2(R)-(1(S)-Hydroxy-2,2,2-trifluoroethyl)-4(S)-methoxy-1-pyrrolidinyl)-4-trifluoromethyl-2(1*H*)-quinolinone (Compound**127**);

4-Chloro-6-(2(R)-(1(S)-hydroxy-2,2,2-trifluoroethyl)-5(R)-methyl-1-pyrrolidinyl)-2(1H)-quinolinone (Compound 128);

4-Chloro-6-(2(R)-(l(R)-hydroxy-2,2,2-trifluoroethyl)-5(R)-methyl-1-pyrrolidinyl)-2(1H)-quinolinone (Compound 129);

4-Chloro-6-(2(*R*)-(1(*S*)-hydroxy-2,2,2-trifluoroethyl)-1-pyrrolidinyl)-2(1*H*)-quinolinone (Compound **130**);

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4-Chloro-6-(2(R)-(1(R)-hydroxy-2,2,2-trifluorethyl)-1-pyrrolidinyl)-2(1H)-quinolinone (Compound 131);

6-(2(R)-(1(R)-Hydroxy-1-methyl-2,2,2-trifluoroethyl)-5(R)-methyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1*H*)-quinolinone (Compound**132**);

6-(2(*R*)-(1(*S*)-Hydroxy-1-methyl-2,2,2-trifluoroethyl)-5(*R*)-methyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1*H*)-quinolinone (Compound **133**);

6-(2(*R*)-(1-Hydroxy-1-trifluoromethyl-2,2,2-trifluoroethyl)-5(*R*)-methyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1*H*)-quinolinone (Compound **134**);

6-(2(R)-(1(R)-Ethoxy-2,2,2-trifluoroethyl)-1-pyrrolidinyl)-4-trifluoromethyl-2(1H)-quinolinone (Compound 135);

6-(2(R)-(1(R)-Hydroxy-2,2,2-trifluoroethyl)-1-pyrrolidinyl)-4-propyl-2(1H)-quinolinone (Compound 136);

6-(2(R)-(1S)-Hydroxy-2,2,2-trifluoroethyl)-1-pyrrolidinyl)-4-propyl-2(1<math>H)-quinolinone (Compound 137);

6-(2(R)-(1(S)-Hydroxy-2,2,2-trifluoroethyl)-1-pyrrolidinyl)-4-ethyl-2(1H)-quinolinone (Compound 138);

6-(2(R)-(1(R)-Hydroxy-2,2,2-trifluoroethyl)-1-pyrrolidinyl)-4-ethyl-2(1H)-quinolinone (Compound 139);

6-(2(R)-Chloromethyl-5-(R)-methyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1H)-quinolinone (Compound **140**);

6-(2(*R*)-Chloromethyl-5-(*S*)-methyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1*H*)-quinolinone (Compound **141**);

6-(2(R)-(1(S)-Hydroxy-2,2,2-trifluoroethyl)-5(S)-phenyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1<math>H)-quinolinone (Compound **142**);

6-(2(R)-(1(R)-Hydroxy-2,2,2-trifluoroethyl)-5(S)-phenyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1<math>H)-quinolinone (Compound **143**);

6-(2(R)-(l(S)-Hydroxy-2,2,2-trifluoroethyl)-5,5-dimethyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1*H*)-quinolinone (Compound 144);

6-(2(R)-(1(R)-Hydroxy-2,2,2-trifluoroethyl)-5,5-dimethyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1<math>H)-quinolinone (Compound **145**);

6-(2(R)-(1(S)-Hydroxy-2,2,2-trifluoroethyl)-5(R)-phenyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1*H*)-quinolinone (Compound**146**);

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6-(2(R)-(1(R)-Hydroxy-2,2,2-trifluoroethyl)-5(R)-phenyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1*H*)-quinolinone (Compound 147);

6-(2(R)-(1(R), 2-Dihydroxyethyl)-1-pyrrolidinyl)-4-trifluoromethyl-2(1H)-quinolinone (Compound 148);

6-(2(R)-(1(S), 2-dihydroxyethyl)-1-pyrrolidinyl)-4-trifluoromethyl-2(1H)-quinolinone (Compound 149);

6-(2(R)-(1(R)-Hydroxybenzyl)-5(S)-methyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1H)-quinolinone (Compound**150**);

6-(2(R)-(1(S)-Hydroxybenzyl)-5(R)-methyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1H)-quinolinone (Compound 151);

6-(2(R)-(1(R)-Hydroxybenzyl)-5(R)-methyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1<math>H)-quinolinone (Compound 152);

6-(2(R)-((2-1,3-Dithianyl)-1(R)-hydroxymethyl)-5(R)-methyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1*H*)-quinolinone (Compound**153**);

6-(2(R)-((2-1,3-Dithianyl)-1(S)-hydroxymethyl)-5(R)-methyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1*H*)-quinolinone (Compound**154**);

6-(2(*R*)-Difluoromethyl-5,5-dimethyl-l-pyrrolidinyl)-4-trifluoromethyl-2(1*H*)-quinolinone (Compound **155**);

6-(2(R)-Fluoromethyl-5,5-dimethyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1H)-quinolinone (Compound 156);

6-(2(*R*)-Hydroxymethyl-5,5-dimethyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1*H*)-quinolinone (Compound **157**);

6-(2(R)-Hydroxymethyl-1-piperidinyl)-4-trifluoromethyl-2(1H)-quinolinone (Compound 158);

6-(2(R)-(1(S)-Hydroxyethyl-1-piperidinyl)-4-trifluoromethyl-2(1H)-quinolinone (Compound 159);

6-(2(R)-(1(R)-Hydroxyethyl-1-piperidinyl)-4-trifluoromethyl-2(1H)-quinolinone (Compound**160**);

6-(2(R)-Trifluoroacetyl-1-piperidinyl)-4-trifluoromethyl-2(1H)-quinolinone (Compound 161);

6-(2(R)-(1(S)-Hydroxypentyl-1-piperidinyl)-4-trifluoromethyl-2 (1H)-quinolinone (Compound 162);

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6-(2(R)-(1(R)-Hydroxypentyl-1-piperidinyl)-4-trifluoromethyl-2(1H)-quinolinone (Compound 163);

- 6-(2(R)-(1(R)-Hydroxyethyl)-5(R)-methyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1H)-quinolinone (Compound**164**);
- 6-(2(R)-(1-Hydroxy-1-methylethyl)-5(R)-methyl-1-pyrrolidinyl)-4-trifluoromethyl 2(1<math>H)-quinolinone (Compound **165**);
- 6-(2(R)-(1(S)-Hydroxy-1-cyclopropylmethyl)-5(R)-methyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1*H*)-quinolinone (Compound**166**);
- 6-(2(R)-(1(R)-Hydroxy-1-cyclopropylmethyl)-5(R)-methyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1<math>H)-quinolinone (Compound **167**);
- 6-(2(R)-(1(S)-Hydroxypropyl)-5(R)-methyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1H)-quinolinone (Compound 168),
- 6-(2(R)-(1(R)-Hydroxypropyl)-5(S)-methyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1<math>H)-quinolinone (Compound **169**);
- 6-(2(R)-(1(R)-Hydroxypropyl)-5(R)-methyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1<math>H)-quinolinone (Compound 170);
- 6-(2(R)-(1(S)-Hydroxypropyl)-5(S)-methyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1<math>H)-quinolinone (Compound 171);
- 6-(2(R)-(1(R)-Hydroxy-2-methylpropyl)-5(R)-methyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1*H*)-quinolinone (Compound**172**);
- 6-(2(R)-(1(R)-Hydroxy-2-acetoxyethyl)-1-pyrrolidinyl)-4-trifluoromethyl-2(1H)-quinolinone (Compound 173);
- 6-(2(R)-(1(R)-Hydroxy-2-chloroethyl)-1-pyrrolidinyl)-4-trifluoromethyl-2(1H)-quinolinone (Compound 174);
- 6-(2(R)-(2-Hydroxyethyl)-1-pyrrolidinyl)-4-trifluoromethyl-2(1H)-quinolinone (Compound 175);
- 6-(2(R)-(2-Oxoethyl)-1-pyrrolidinyl)-4-trifluoromethyl-2(1H)-quinolinone (Compound 176);
- 6-(2(R)-Acetyloxymethyl-6(R)-methyl-1-piperidinyl)-4-trifluoromethyl-2(1H)-quinolinone (Compound 177);
- $6-(2(R)-(1(R)-\text{Chloro-2-hydroxy} \frac{\text{methylethyl}}{\text{methylethyl}})-1-\text{pyrrolidinyl})-4-\text{trifluoromethyl-2}(1H)-quinolinone (Compound 178);$

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6-(2(R)-Hydroxymethyl-6(R)-methyl-1-piperidinyl)-4-trifluoromethyl-2(1H)-quinolinone (Compound 179);

6-(2(R)-(1(R)-Hydroxy-2,2,2-trifluoroethyl)-6(R)-methyl-1-piperidinyl)-4-trifluoromethyl-2(1*H*)-quinolinone (Compound**180**);

6-(2(R)-(1(S)-Hydroxy-2,2,2-trifluoroethyl)-5(R)-methyl-1-pyrrolidinyl)-4-chlorodifluoromethyl-2(1<math>H)-quinolinone (Compound **181**);

6-(2(R)-(1(R)-Hydroxy-2,2,2-trifluoroethyl)-5(R)-methyl-1-pyrrolidinyl)-4-chlorodifluoromethyl-2(1*H*)-quinolinone (Compound**182**);

6-(2(R)-(1(S)-Hydroxy-2,2,2-trifluoroethyl)-5(S)-methyl-1-pyrrolidinyl)-4-chlorodifluoromethyl-2(1<math>H)-quinolinone (Compound **183**);

6-(2(R)-(2(S)-Hydroxy-3,3,3-trifluoropropyl)-1-pyrrolidinyl)-4-trifluoromethyl-2(1*H*)-quinolinone (Compound**184**);

6-(2(R)-(2(R)-hydroxy-3,3,3-trifluoropropyl)-1-pyrrolidinyl)-4-trifluoromethyl-2(1<math>H)-quinolinone (Compound **185**);

6-(2(R)-Acetyloxymethyl-6(R)-methyl-1-piperidinyl)-4-trifluoromethyl-2(1H)-quinolinone (Compound**186**);

6-(2(R)-(2-Hydroxyethyl)-5(R)-methyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1H)-quinolinone (Compound**187**);

6-(2(R)-(2-Hydroxyethyl)-5(S)-methyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1*H*)-quinolinone (Compound**188**);

6-(2(R)-Acetyloxyethyl-5(R)-methyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1H)-quinolinone (Compound**189**);

6-(2(R)-(1(S)-Hydroxy-2,2,2-trifluoroethyl)-4(S)-fluoro-1-pyrrolidinyl)-4-trifluoromethyl-2(1<math>H)-quinolinone (Compound **190**); and

6-(2(R)-(1(R)-Hydroxy-2,2,2-trifluoroethyl)-4(S)-fluoro-1-pyrrolidinyl)-4-trifluoromethyl-2(1<math>H)-quinolinone (Compound **191**).

14. (Original) A pharmaceutical composition comprising a pharmaceutically acceptable carrier and a compound of the formula:

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wherein:

 $R^1$  is hydrogen, F, Cl, or  $C_1$ - $C_3$  aliphatic;

 $R^2$  is selected from the group of hydrogen, F, Cl, Br, C<sub>1</sub>-C<sub>4</sub> aliphatic, C<sub>1</sub>-C<sub>4</sub> haloaliphatic, and C<sub>1</sub>-C<sub>4</sub> heteroaliphatic;

 $R^3$  and  $R^4$  each independently is selected from the group of hydrogen,  $C_1$ - $C_4$  aliphatic,  $C_1$ - $C_4$  haloaliphatic,  $C_1$ - $C_4$  heteroaliphatic, optionally substituted aryl and heteroaryl;

R<sup>5</sup> and R<sup>6</sup> each independently is selected from the group of hydrogen, F, Cl, OR<sup>10</sup>, C<sub>1</sub>-C<sub>4</sub> aliphatic, C<sub>1</sub>-C<sub>4</sub> haloaliphatic, and C<sub>1</sub>-C<sub>4</sub> heteroaliphatic;

 $R^7$  and  $R^8$  each independently is selected from the group of hydrogen, F, Cl,  $C_1$ - $C_4$  aliphatic,  $C_1$ - $C_4$  haloaliphatic, and  $C_1$ - $C_4$  heteroaliphatic; or

R<sup>7</sup> and R<sup>8</sup> taken together form a carbonyl group;

 $R^9$  is selected from the group of halogen,  $OR^{10}$ ,  $SR^{10}$ ,  $NR^{10}R^{11}$ ,  $C_1$ - $C_4$  haloaliphatic,  $C_1$ - $C_4$  heteroaliphatic, and  $C_1$ - $C_4$  heterohaloaliphatic;

 $R^{10}$  and  $R^{11}$  each independently is selected from the group of hydrogen,  $C_1$ - $C_4$  aliphatic, phenyl, and benzyl; and

n = 0 or 1.

- 15. (Original) A pharmaceutical composition comprising a pharmaceutically acceptable carrier and a compound according to claim 2.
- 16. (Original) A pharmaceutical composition comprising a pharmaceutically acceptable carrier and a compound according to claim 7.
- 17. (Original) A pharmaceutical composition comprising a pharmaceutically acceptable carrier and a compound according to claim 8.

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18. (Previously presented) A pharmaceutical composition according to claim 14, wherein the compound is an androgen receptor modulator.

- 19. (Original) A pharmaceutical composition according to claim 18, wherein the compound is an androgen receptor antagonist.
- 20. (Original) A pharmaceutical composition according to claim 18, wherein the compound is an androgen receptor agonist.
- 21. (Original) A pharmaceutical composition according to claim 18, wherein the compound is an androgen receptor partial agonist.
- 22. (Currently amended) A pharmaceutical composition according to claim 14, wherein the compound is selected from the group of:
- (R)-6-(2-(2, 2, 2-Trifluoroethyl)-1-pyrrolidinyl)-4-trifluoromethyl-2(1H)-quinolinone (Compound 101);
- (R)-6-(2-Phenylthiomethyl-1-pyrrolidinyl)-4-trifluoromethyl-2 (1H)-quinolinone (Compound 102);
- (R)-6-(2-(2, 2, 2-Trifluoroethyl)-1-piperidinyl)-4-trifluoromethyl-2(1H)-quinolinone (Compound 103);
- (*R*)-6-(2-Benzyloxymethyl)-1-piperidinyl)-4-trifluoromethyl-2(1*H*)-quinolinone (Compound **104**);
- (*R*)-6-(2-Diethylaminomethyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1*H*)-quinolinone (Compound **105**);
- 6-(2(*R*)-Hydroxymethyl-5(*S*)-methyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1*H*)-quinolinone (Compound **106**);
- 6-(2(R)-Fluoromethyl-5(R)-methyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1H)-quinolinone (Compound 107);
- 6-(2(R)-Fluoromethyl-5(S)-methyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1H) quinolinone (Compound **108**);
- 6-(2(*R*)-Difluoromethyl-5(*R*)-methyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1*H*)-quinolinone (Compound **109**);
- 6-(2(R)-Fluoromethyl-5(S)-methyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1H)-quinolinone (Compound 110);

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6-(2(R)-(1(R)-Hydroxy-2,2,2-trifluoroethyl)-5(S)-methyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1<math>H)-quinolinone (Compound 111);

6-(2(R)-(1(S)-Hydroxy-2,2,2-trifluoroethyl)-5(S)-methyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1<math>H)-quinolinone (Compound 112);

6-(2(R)-(l(S)-Hydroxy-2,2,2-trifluoroethyl)-5(R)-methyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1*H*)-quinolinone (Compound**113**);

6-(2(R)-(1(R)-Hydroxy-2,2,2-trifluoroethyl)-5(R)-methyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1<math>H)-quinolinone (Compound 114);

6-(2(R)-(2,2,2-Trifluoroethyl)-5(R)-methyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1H)-quinolinone (Compound 115);

6-(2(R)-(1(S)-Hydroxy-2,2,2-trifluoroethyl)-4(R)-hydroxy-1-pyrrolidinyl)-4-trifluoromethyl-2(1*H*)-quinolinone (Compound**116**);

6-(2(R)-(1(R)-Hydroxy-2,2,2-trifluoroethyl)-4(R)-hydroxy-1-pyrrolidinyl)-4-trifluoromethyl-2(1*H*)-quinolinone (Compound**117**);

6-(2(R)-(1(S)-Fluoro-2,2,2-trifluoroethyl)-4(S)-fluoro-1-pyrrolidinyl)-4-trifluoromethyl-2(1*H*)-quinolinone (Compound**118**);

6-(2(R)-(1(R)-Fluoro-2,2,2-trifluoroethyl)-4(S)-fluoro-1-pyrrolidinyl)-4-trifluoromethyl-2(1<math>H)-quinolinone (Compound **119**);

6-(2(R)-(1(S)-Hydroxy-2,2,2-trifluoroethyl)-4(R)-methyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1*H*)-quinolinone (Compound**120**);

6-(2(R)-(1(R)-Hydroxy-2,2,2-trifluoroethyl)-4(R)-methyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1<math>H)-quinolinone (Compound **121**);

6-(2(R)-(1(S)-Hydroxy-2,2,2-trifluoroethyl)-4(S)-methyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1*H*)-quinolinone (Compound**122**);

6-(2(R)-(1(R)-Hydroxy-2,2,2-trifluoroethyl)-4 (S)-methyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1H)-quinolinone (Compound 123);

6-(2(R)-(1(S)-Hydroxy-2,2,2-trifluoroethyl)-4(R)-methoxy-1-pyrrolidinyl)-4-trifluoromethyl-2(1<math>H)-quinolinone (Compound **124**);

6-(2(R)-(1(R)-Hydroxy-2,2,2-trifluoroethyl)-4(R)-methoxy-1-pyrrolidinyl)-4-trifluoromethyl-2(1*H*)-quinolinone (Compound**125**);

6-(2(R)-(1(R)-Hydroxy-2,2,2-trifluoroethyl)-4(S)-methoxy-1-pyrrolidinyl)-4-trifluoromethyl-2(1*H*)-quinolinone (Compound**126**);

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6-(2(R)-(1(S)-Hydroxy-2,2,2-trifluoroethyl)-4(S)-methoxy-1-pyrrolidinyl)-4-trifluoromethyl-2(1<math>H)-quinolinone (Compound 127);

4-Chloro-6-(2(R)-(1(S)-hydroxy-2,2,2-trifluoroethyl)-5(R)-methyl-1-pyrrolidinyl)-2(1H)-quinolinone (Compound 128);

4-Chloro-6-(2(R)-(l(R)-hydroxy-2,2,2-trifluoroethyl)-5(R)-methyl-1-pyrrolidinyl)-2(1H)-quinolinone (Compound 129);

4-Chloro-6-(2(R)-(1(S)-hydroxy-2,2,2-trifluoroethyl)-1-pyrrolidinyl)-2(1<math>H)-quinolinone (Compound **130**);

4-Chloro-6-(2(R)-(1(R)-hydroxy-2,2,2-trifluorethyl)-1-pyrrolidinyl)-2(1H)-quinolinone (Compound 131);

6-(2(R)-(1(R)-Hydroxy-1-methyl-2,2,2-trifluoroethyl)-5(R)-methyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1*H*)-quinolinone (Compound**132**);

6-(2(R)-(1(S)-Hydroxy-1-methyl-2,2,2-trifluoroethyl)-5(R)-methyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1*H*)-quinolinone (Compound**133**);

6-(2(R)-(1-Hydroxy-1-trifluoromethyl-2,2,2-trifluoroethyl)-5(R)-methyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1*H*)-quinolinone (Compound**134**);

6-(2(R)-(1(R)-Ethoxy-2,2,2-trifluoroethyl)-1-pyrrolidinyl)-4-trifluoromethyl-2(1H)-quinolinone (Compound 135);

6-(2(R)-(1(R)-Hydroxy-2,2,2-trifluoroethyl)-1-pyrrolidinyl)-4-propyl-2(1<math>H)-quinolinone (Compound **136**);

6-(2(*R*)-(1*S*)-Hydroxy-2,2,2-trifluoroethyl)-1-pyrrolidinyl)-4-propyl-2(1*H*)-quinolinone (Compound **137**);

6-(2(*R*)-(1(*S*)-Hydroxy-2,2,2-trifluoroethyl)-1-pyrrolidinyl)-4-ethyl-2(1*H*)-quinolinone (Compound **138**);

6-(2(R)-(1(R)-Hydroxy-2,2,2-trifluoroethyl)-1-pyrrolidinyl)-4-ethyl-2(1H)-quinolinone (Compound 139);

6-(2(R)-Chloromethyl-5-(R)-methyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1H)-quinolinone (Compound 140);

6-(2(*R*)-Chloromethyl-5-(*S*)-methyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1*H*)-quinolinone (Compound **141**);

6-(2(R)-(1(S)-Hydroxy-2,2,2-trifluoroethyl)-5(S)-phenyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1<math>H)-quinolinone (Compound **142**);

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6-(2(R)-(1(R)-Hydroxy-2,2,2-trifluoroethyl)-5(S)-phenyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1H)-quinolinone (Compound 143);

6-(2(R)-(l(S)-Hydroxy-2,2,2-trifluoroethyl)-5,5-dimethyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1*H*)-quinolinone (Compound**144**);

6-(2(R)-(1(R)-Hydroxy-2,2,2-trifluoroethyl)-5,5-dimethyl-1-pyrrolidinyl)-4-trifluoromethyl-<math>2(1H)-quinolinone (Compound **145**);

6-(2(R)-(1(S)-Hydroxy-2,2,2-trifluoroethyl)-5(R)-phenyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1*H*)-quinolinone (Compound**146**);

6-(2(R)-(1(R)-Hydroxy-2,2,2-trifluoroethyl)-5(R)-phenyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1*H*)-quinolinone (Compound 147);

6-(2(R)-(1(R), 2-Dihydroxyethyl)-1-pyrrolidinyl)-4-trifluoromethyl-2(1H)-quinolinone (Compound 148);

6-(2(R)-(1(S), 2-dihydroxyethyl)-1-pyrrolidinyl)-4-trifluoromethyl-2(1H)-quinolinone (Compound 149);

6-(2(R)-(1(R)-Hydroxybenzyl)-5(S)-methyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1<math>H)-quinolinone (Compound **150**);

6-(2(R)-(1(S)-Hydroxybenzyl)-5(R)-methyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1H)-quinolinone (Compound 151);

6-(2(R)-(1(R)-Hydroxybenzyl)-5(R)-methyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1<math>H)-quinolinone (Compound **152**);

6-(2(R)-((2-1,3-Dithianyl)-1(R)-hydroxymethyl)-5(R)-methyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1H)-quinolinone (Compound **153**);

6-(2(R)-((2-1,3-Dithianyl)-1(S)-hydroxymethyl)-5(R)-methyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1*H*)-quinolinone (Compound**154**);

6-(2(R)-Difluoromethyl-5,5-dimethyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1<math>H)-quinolinone (Compound 155);

6-(2(R)-Fluoromethyl-5,5-dimethyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1H)-quinolinone (Compound 156);

6-(2(R)-Hydroxymethyl-5,5-dimethyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1H)-quinolinone (Compound 157);

6-(2(R)-Hydroxymethyl-1-piperidinyl)-4-trifluoromethyl-2(1H)-quinolinone (Compound 158);

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6-(2(R)-(1(S)-Hydroxyethyl-1-piperidinyl)-4-trifluoromethyl-2(1H)-quinolinone (Compound**159**);

6-(2(R)-(1(R)-Hydroxyethyl-1-piperidinyl)-4-trifluoromethyl-2(1H)-quinolinone (Compound**160**);

6-(2(R)-Trifluoroacetyl-1-piperidinyl)-4-trifluoromethyl-2(1H)-quinolinone (Compound **161**);

6-(2(R)-(1(S)-Hydroxypentyl-1-piperidinyl)-4-trifluoromethyl-2 (1*H*)-quinolinone (Compound**162**);

6-(2(R)-(1(R)-Hydroxypentyl-1-piperidinyl)-4-trifluoromethyl-2(1H)-quinolinone (Compound 163);

6-(2(R)-(1(R)-Hydroxyethyl)-5(R)-methyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1*H*)-quinolinone (Compound**164**);

6-(2(R)-(1-Hydroxy-1-methylethyl)-5(R)-methyl-1-pyrrolidinyl)-4-trifluoromethyl 2(1*H*)-quinolinone (Compound**165**);

6-(2(R)-(1(S)-Hydroxy-1-cyclopropylmethyl)-5(R)-methyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1*H*)-quinolinone (Compound**166**);

6-(2(R)-(1(R)-Hydroxy-1-cyclopropylmethyl)-5(R)-methyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1<math>H)-quinolinone (Compound **167**);

6-(2(R)-(1(S)-Hydroxypropyl)-5(R)-methyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1<math>H)-quinolinone (Compound **168**),

6-(2(R)-(1(R)-Hydroxypropyl)-5(S)-methyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1<math>H)-quinolinone (Compound **169**);

6-(2(R)-(1(R)-Hydroxypropyl)-5(R)-methyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1H)-quinolinone (Compound 170);

6-(2(R)-(1(S)-Hydroxypropyl)-5(S)-methyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1<math>H)-quinolinone (Compound 171);

6-(2(R)-(1(R)-Hydroxy-2-methylpropyl)-5(R)-methyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1<math>H)-quinolinone (Compound **172**);

6-(2(R)-(1(R)-Hydroxy-2-acetoxyethyl)-1-pyrrolidinyl)-4-trifluoromethyl-2(1H)-quinolinone (Compound 173);

6-(2(R)-(1(R)-Hydroxy-2-chloroethyl)-1-pyrrolidinyl)-4-trifluoromethyl-2(1H)-quinolinone (Compound 174);

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6-(2(R)-(2-Hydroxyethyl)-1-pyrrolidinyl)-4-trifluoromethyl-2(1H)-quinolinone (Compound 175);

- 6-(2(R)-(2-Oxoethyl)-1-pyrrolidinyl)-4-trifluoromethyl-2(1H)-quinolinone (Compound 176);
- 6-(2(R)-Acetyloxymethyl-6(R)-methyl-1-piperidinyl)-4-trifluoromethyl-2(1H)-quinolinone (Compound 177);
- $6-(2(R)-(1(R)-\text{Chloro-}2-\text{hydroxy}\frac{\text{methylethyl}}{\text{-}1-\text{pyrrolidinyl}})-4-\text{trifluoromethyl-}2(1H)-\text{quinolinone}$  (Compound 178);
- 6-(2(R)-Hydroxymethyl-6(R)-methyl-1-piperidinyl)-4-trifluoromethyl-2(1H)-quinolinone (Compound 179);
- 6-(2(R)-(1(R)-Hydroxy-2,2,2-trifluoroethyl)-6(R)-methyl-1-piperidinyl)-4-trifluoromethyl-2(1*H*)-quinolinone (Compound**180**);
- 6-(2(R)-(1(S)-Hydroxy-2,2,2-trifluoroethyl)-5(R)-methyl-1-pyrrolidinyl)-4-chlorodifluoromethyl-2(1<math>H)-quinolinone (Compound **181**);
- 6-(2(R)-(1(R)-Hydroxy-2,2,2-trifluoroethyl)-5(R)-methyl-1-pyrrolidinyl)-4-chlorodifluoromethyl-2(1<math>H)-quinolinone (Compound **182**);
- 6-(2(R)-(1(S)-Hydroxy-2,2,2-trifluoroethyl)-5(S)-methyl-1-pyrrolidinyl)-4-chlorodifluoromethyl-2(1<math>H)-quinolinone (Compound **183**);
- 6-(2(R)-(2(S)-Hydroxy-3,3,3-trifluoropropyl)-1-pyrrolidinyl)-4-trifluoromethyl-2(1*H*)-quinolinone (Compound**184**);
- 6-(2(R)-(2(R)-hydroxy-3,3,3-trifluoropropyl)-1-pyrrolidinyl)-4-trifluoromethyl-2(1*H*)-quinolinone (Compound**185**);
- 6-(2(R)-Acetyloxymethyl-6(R)-methyl-1-piperidinyl)-4-trifluoromethyl-2(1H)-quinolinone (Compound**186**);
- 6-(2(R)-(2-Hydroxyethyl)-5(R)-methyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1H)-quinolinone (Compound**187**);
- 6-(2(R)-(2-Hydroxyethyl)-5(S)-methyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1H)-quinolinone (Compound 188);
- 6-(2(R)-Acetyloxyethyl-5(R)-methyl-1-pyrrolidinyl)-4-trifluoromethyl-2(1H)-quinolinone (Compound 189);
- 6-(2(R)-(1(S)-Hydroxy-2,2,2-trifluoroethyl)-4(S)-fluoro-1-pyrrolidinyl)-4-trifluoromethyl-2(1*H*)-quinolinone (Compound**190**); and

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6-(2(R)-(1(R)-Hydroxy-2,2,2-trifluoroethyl)-4(S)-fluoro-1-pyrrolidinyl)-4trifluoromethyl-2(1H)-quinolinone (Compound 191).

(Original) A pharmaceutical composition according to claim 14, wherein the 23. composition is formulated for oral, topical, intravenous, suppository or parenteral administration.

24. (Original) A pharmaceutical agent comprising a pharmaceutically acceptable carrier and a compound of the formula:

wherein:

R<sup>1</sup> is hydrogen, F, Cl, or C<sub>1</sub>-C<sub>3</sub> aliphatic;

R<sup>2</sup> is selected from the group of hydrogen, F, Cl, Br, C<sub>1</sub>-C<sub>4</sub> aliphatic, C<sub>1</sub>-C<sub>4</sub> haloaliphatic, and C<sub>1</sub>-C<sub>4</sub> heteroaliphatic;

R<sup>3</sup> and R<sup>4</sup> each independently is selected from the group of hydrogen, C<sub>1</sub>-C<sub>4</sub> aliphatic, C<sub>1</sub>- C<sub>4</sub> haloaliphatic, C<sub>1</sub>-C<sub>4</sub> heteroaliphatic, optionally substituted aryl and heteroaryl;

R<sup>5</sup> and R<sup>6</sup> each independently is selected from the group of hydrogen, F, Cl, OR<sup>10</sup>, C<sub>1</sub>-C<sub>4</sub> aliphatic, C<sub>1</sub>-C<sub>4</sub> haloaliphatic, and C<sub>1</sub>-C<sub>4</sub> heteroaliphatic;

R<sup>7</sup> and R<sup>8</sup> each independently is selected from the group of hydrogen, F, Cl, C<sub>1</sub>-C<sub>4</sub> aliphatic, C<sub>1</sub>-C<sub>4</sub> haloaliphatic, and C<sub>1</sub>-C<sub>4</sub> heteroaliphatic; or

R<sup>7</sup> and R<sup>8</sup> taken together form a carbonyl group;

R<sup>9</sup> is selected from the group of halogen, OR<sup>10</sup>, SR<sup>10</sup>, NR<sup>10</sup>R<sup>11</sup>, C<sub>1</sub>-C<sub>4</sub> haloaliphatic, C<sub>1</sub>-C<sub>4</sub> heteroaliphatic, and C<sub>1</sub>-C<sub>4</sub> heterohaloaliphatic;

R<sup>10</sup> and R<sup>11</sup> each independently is selected from the group of hydrogen, C<sub>1</sub>-C<sub>4</sub> aliphatic, phenyl, and benzyl; and

n = 0 or 1.

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25. (Original) A method of modulating androgen receptor activity in a mammal, comprising administering to said mammal a pharmaceutically effective amount of a compound according to claim 1.

- 26. (Original) A method for modulating a process in a mammal mediated by androgen receptor, comprising administering to said mammal a pharmaceutically effective amount of a compound according to claim 1.
- 27. (Previously presented) A method according to claim 25, wherein said mammal has a condition mediated by an androgen receptor.
- 28. (Previously presented) A method according to claim 27, wherein said condition is selected from the group of acne, male-pattern baldness, impotence, sexual dysfunction, wasting diseases, frailty, hirsutism, hypogonadism, prostatic hyperplasia, osteoporosis, cancer cachexia and hormone-dependent cancers.
- 29. (Previously presented) A method according to claim 27, wherein said condition is susceptible to treatment with a therapy selected from the group of male hormone replacement therapy, female androgen replacement therapy and stimulation of hematopoiesis.
- 30. (Previously presented) A compound according to claim 2, wherein the compound is an androgen receptor antagonist.
- 31. (Previously presented) A compound according claim 2, wherein the compound is an androgen receptor agonist.
- 32. (Previously presented) A compound according claim 2, wherein the compound is an androgen receptor partial agonist.
- 33. (Previously presented) A pharmaceutical composition according to claim 15, wherein the compound is an androgen receptor modulator.
- 34. (Previously presented) A pharmaceutical composition according to claim 33, wherein the compound is an androgen receptor antagonist.
- 35. (Previously presented) A pharmaceutical composition according to claim 33, wherein the compound is an androgen receptor agonist.
- 36. (Previously presented) A pharmaceutical composition according to claim 33, wherein the compound is an androgen receptor partial agonist.

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37. (Previously presented) A pharmaceutical composition according to claim 16, wherein the compound is an androgen receptor modulator.

- 38. (Previously presented) A pharmaceutical composition according to claim 37, wherein the compound is an androgen receptor antagonist.
- 39. (Previously presented) A pharmaceutical composition according to claim 37, wherein the compound is an androgen receptor agonist.
- 40. (Previously presented) A pharmaceutical composition according to claim 37, wherein the compound is an androgen receptor partial agonist.
- 41. (Previously presented) A pharmaceutical composition according to claim 17, wherein the compound is an androgen receptor modulator.
- 42. (Previously presented) A pharmaceutical composition according to claim 41, wherein the compound is an androgen receptor antagonist.
- 43. (Previously presented) A pharmaceutical composition according to claim 41, wherein the compound is an androgen receptor agonist.
- 44. (Previously presented) A pharmaceutical composition according to claim 41, wherein the compound is an androgen receptor partial agonist.